

Koch, Kristine

From: John Toll <JohnT@windwardenv.com>
Sent: Wednesday, January 13, 2016 8:05 PM
To: Koch, Kristine
Cc: Bob Wyatt; Patty Dost; jmott@anchorqea.com
Subject: FW: Portland Harbor Bioaccumulation Modeling Report

Hi Kristine,

I'm writing in response to your request for spreadsheets used to calculate the SWACs in the bioaccumulation modeling report. You indicated that these spreadsheets should show the calculations, including the specific empirical data used, so that CDM can identify how the data were grouped and confirm the results.

As stated in the report (pages 11 and 12) the SWACs were calculated in ArcGIS using the natural neighbors interpolation algorithm that is built into ArcGIS software. As such, the information that CDM will need is more than just spreadsheets. You will need the following:

- sediment chemistry data with coordinates of the sampling locations (Excel files)
- GIS shape files for fish home ranges (these shape files provide the SWAC averaging areas and the fish sampling coordinates)
- information about the ArcGIS natural neighbors algorithm that was used to calculate the SWACs
- metadata from the ArcGIS files

I've spoken to our GIS analyst who did this work. It will take us a few days to assemble the information once we're authorized to proceed. Let us know please how we should proceed.

John

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From: Jen Woronets [mailto:jworonets@anchorqea.com]
Sent: Monday, January 04, 2016 11:04 AM
To: (beverly.pearman@portofportland.com); (peggy.miner@portlandoregon.gov); Ankur Tohan (Ankur.Tohan@klgates.com); Annie Von Burg (Annie.VonBurg@portlandoregon.gov); Betz, Jan; Bill Joyce (wjoyce@jzplaw.com); Bob Wyatt; Brandi C. Sablatura (Brandi.C.Sablatura@p66.com); Brigitte Howe (brigitte@geomega.com); C Reive; Dave Livesay; David Livermore (dlivermore@integral-corp.com); Debbie Deetz Silva (Debbie.Silva@EvrazNA.com); Decker, Megan; Drew Gilpin (drew.gilpin@evrazincna.com); Erin Carroll Hughes; Fred G. Wolf (Frederick.wolf@total.com); G Koschal; Gardner, Sara; Gerald (Jerry) George (geraldgeorge@dwt.com); Ilene Gaekwad (igaekwad@davisrothwell.com); J Snyder; James Peale; Jay Griffith; Jen Woronets; Jessica Hamilton (Jessica.Hamilton@portofportland.com); Jim Anderson (janderson@gsiws.com); Jim Benedict (jbenedict@cablehouston.com); Jim Kincaid (jkincaid@cablehouston.com); Jim McKenna (jim.mckenna@verdantllc.com); John Ashworth (jashworth@kelrun.com); Julia Weisenbach (Julia.Weisenbach@portofportland.com); junderwood@qmg-inc.com; Karen Moynahan (karen.moynahan@portlandoregon.gov); Karen Traeger; Kelly Madalinski (kelly.madalinski@portofportland.com); Kerry Gallagher (kgallagher@maulfoster.com); Kim Cox (kim.cox@portlandoregon.gov); Kim Stafford; Klinger, Nanci; Linda Baker (lbaker@integral-corp.com); Loren Dunn (ldunn@riddellwilliams.com); M Chandler; M Miller; Madi Novak; Marjorie Brown (Marjorie.Brown@portlandoregon.gov);

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Cc: Jen Woronets; Jim McKenna (jim.mckenna@verdantllc.com); John Toll; Gene Revelas; Carl Stivers; Amanda Shellenberger; Laura Jones

Subject: FW: Portland Harbor Bioaccumulation Modeling Report

Exec,

Please see below from EPA.

Thank you,
Jen Woronets ©
Anchor QEA, LLC
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Please consider the environment before printing this email.

This communication is made under the framework of the LWG Participation Agreement and in the parties' common interests in meeting LWG member obligations under the Administrative Order on Consent and in anticipation of litigation concerning liability for the Portland Harbor Superfund site. This communication is intended and believed by the parties to be part of an ongoing and joint effort to develop and maintain a common legal strategy and contains strategies, work product and legal advice within the "common interest" extension of the attorney-client privilege and the work product doctrine. This communication may include attorney-client communications. With respect to communications by private LWG members to public members, those communications are with the expectation that they will be kept confidential by the public entities. The information is intended to be for the use of the individual or entity named above. If you are not the intended recipient, please be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. If you have received this electronic transmission in error, please notify us by electronic mail at jworonets@anchorqea.com

From: Koch, Kristine [<mailto:Koch.Kristine@epa.gov>]

Sent: Monday, January 04, 2016 11:03 AM

To: Bob Wyatt <rjw@nwnatural.com>; Jim McKenna (jim.mckenna@verdantllc.com) <jim.mckenna@verdantllc.com>

Cc: Jen Woronets <jworonets@anchorqea.com>; Coffey, Scott <CoffeySE@cdmsmith.com>; Allen, Elizabeth <allen.elizabeth@epa.gov>

Subject: Portland Harbor Bioaccumulation Modeling Report

Bob and Jim - Please provide the spreadsheets used to calculate the SWACs in the bioaccumulation modeling report. These spreadsheets should show the calculations, including the specific empirical data used, so that CDM can identify how the data were grouped and confirm the results. Having the LWG calculations in hand will facilitate this review.

Let me know if you have any questions.

Thanks,

Kristine Koch
Remedial Project Manager
USEPA, Office of Environmental Cleanup

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